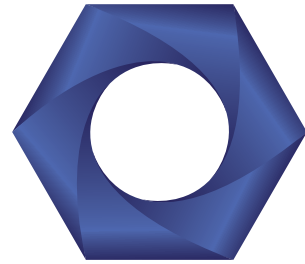


Company Brochure

A specialised engineering company that design, manufacture, and install conveying equipment for the bulk materials handling industry within New Zealand and the international market.



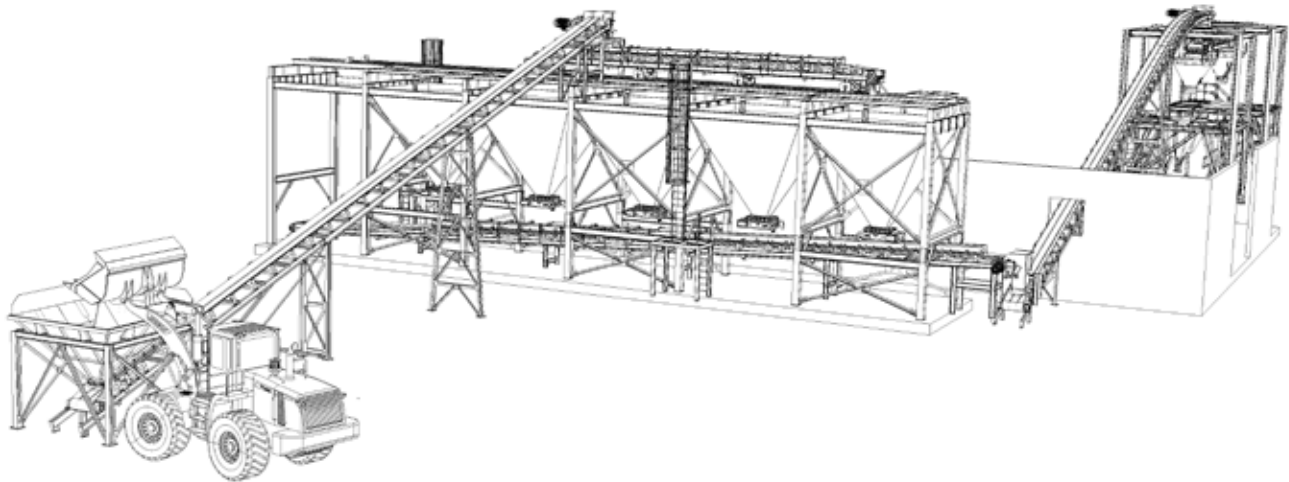
CONVEYOR INDUSTRIES



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PROJECT WORK



We have the experience and expertise to provide solutions that exceed client expectations. Within the last two decades, project work has evolved to become a large proportion of our business.

A system is typically developed using our client's selection of core equipment and/or specialised processing machinery. We factor in space limitations in order to create a workable solution that meets all process requirements. We design the conveying equipment and ancillary steel work (hoppers, walkways, ladders, stairs, etc.), before fabricating within our purpose built factory.

Our 3D drawings and online meetings provide ample opportunity for project discussion. The client can envision what the project will look like, how it fits alongside existing infrastructure, and where amendments are required.

Our on-site installation team is briefed in all aspects of the installation, including health and safety procedures.

We ensure optimum performance and quality outputs from all of our equipment installs.

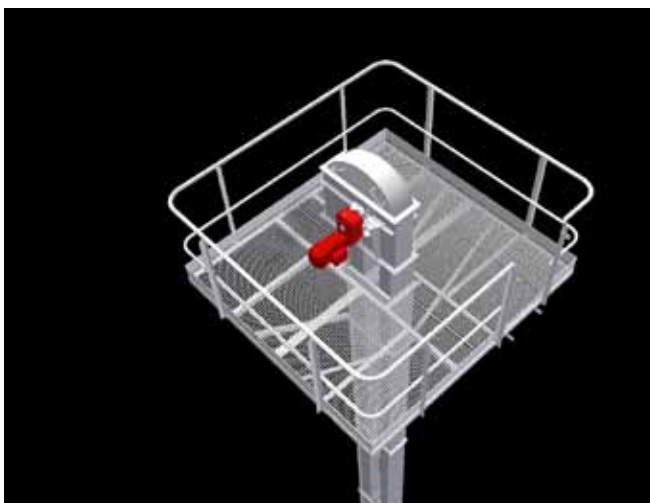
AIR SUPPORTED BELT CONVEYORS



An Air Supported Belt Conveyor efficiently transports bulk materials, utilising a cushion of air to support the belt and load. Friction between the tail section and discharge is decreased – creating annual savings in housekeeping, energy costs, and parts replacement.

- Minimal support requirements due to its structural strength. Spans of 10-12m and trusses up to 30m.
- With no moving components between the tail and discharge pulley, walkways are unnecessary.
- Conveyor enclosures are not needed due to weather tight and dust proof hip roof covers.

ANCILLARY EQUIPMENT



We fabricate general support steelwork, walkways, and platforms, structural steel, and access ladders to suit the client's requirements.

AUGERS



A variety of augers are manufactured to suit all materials handling needs, including: standard pitch, variable pitch, double pitch, tapered, and shaftless. We can supply replacement augers, regardless of the original manufacturer.

AUGER FLIGHTS

Individual turns are cut from mild, stainless, or abrasive resistant steels that are formed into a helix with the specified inside and outside diameter and pitch. A finished flight is the same thickness in the full cross section from ID to OD.

- A range of thicknesses from 1mm to 25mm is available in an assortment of materials.



Ribbon Flighting: A one-piece helix formed by special equipment into the specified diameter and pitch, secured to the conveyor pipe by supporting legs. Depending on overall size, the supporting legs may be produced as an integral part of the flighting.

BELT CONVEYORS



Belt Conveyors are an economical method for transporting bulk materials across long distances. They are ideal for conveying bulk materials of various lump sizes.

- Suits a variety of bulk materials.
- Lower horsepower requirements compared to other types of conveyors.
- Large conveying capacity.
- Can convey horizontally or on an incline.

BUCKET ELEVATORS



Bucket Elevators are one of the most efficient ways to vertically elevate bulk materials. A Bucket Elevator consists of a series of buckets attached to a belt or chain with pulleys or sprockets located at the top and bottom of the unit. The buckets are located in a casing or housing to contain the material. Bulk materials are loaded into each bucket as the bucket moves past an inlet point.

- Designed to ensure optimum performance.
- Completely enclosed for dust and weather-tight operation.

DRAG CHAIN CONVEYORS

Drag Chain Conveyors are used to meter or transfer bulk materials from one process to another. A continuous chain fitted with “flights” is pulled through the casing, with material fed in at one end of the conveyor and discharged at the other.

- Economically conveys a range of granular bulk materials long distance.
- Multiple inlets and outlets can be fitted.
- Available in mild or stainless steel.
- Its compact design fits most plant layouts.



- Ideal for handling dry, free-flowing materials.
- Minimal product degradation.

SCREW CONVEYORS

Screw Conveyors are one of the most cost-effective methods for transporting a variety of sluggish to free-flowing bulk materials. It can have multiple inlet and discharge points, conveying and distributing to the required locations.



Conventional Shafted Type:

- Manufactured in various diameters, gauges, and materials: mild steel, galvanised, stainless steel, high temperature steels, and abrasive resistant materials.
- Individual turns are cut from mild, stainless, or abrasive resistant steels that are formed into a helix with the specified inside and outside diameter and pitch.

Shaftless Type:

Is used to meter and convey bulk materials discharged from centrifuges, filter presses, and mixers. It is non-clogging and suited to convey difficult to handle materials.

- Conveys either horizontally, vertically, or on an incline.

SLIDE GATES



Slide Gates consist of a rigid frame mounted to the bottom of a storage hopper; used to prevent or isolate product flow from hoppers, bins, silos, or conveyors. A slide plate is located inside the frame that opens and closes against the flow of material.

- Manufactured from mild or stainless steels.
- Pneumatic, electric, and manually operated slide gates available.
- Designed to suit the client's application.

HOPPERS AND SURGE BINS/SCREW FEEDERS

Screw Feeders: One of the most accurate and efficient methods of metering bulk materials. Bulk materials are discharged from hoppers, bins, or silos, as the inlet area is flood-loaded – designed to meter bulk materials at fixed or variable rates.

- Meters a variety of bulk materials.
- Can be a single or multi-screw design, depending on hopper design/product and required feed rate.
- Can be designed with variable frequency drives to provide a wide range of feed rates.
- Bulk materials can be discharged in mass-flow or first-in first-out with uniform flow.



Hoppers: Ideal for storing bulk materials.

Surge Bins: Allows inconsistent flow of material to accumulate and be metered. Our Multi Screw Surge Bins are designed to meter product at specific flow rates and prevent hard to handle product from bridging.

- Available in various material construction, including mild and stainless steels.

POGGI GROUP PRODUCTS: AGGREGATE BINS



Aggregate Bins are ideal for storage, extraction, and dosing of materials at a medium-low flowability. Its modular design allows for various capacities.

- Economically conveys a range of granular bulk materials long distance.

Standard supply:

- Frame made with steel bracing.

Aggregate bin consists of:

- Panels reinforced with external vertical stiffeners.
- Finish: hot dip galvanizing.

HORIZONTAL SILOS

The "OR" SERIES – HIGH CAPACITY



The highly mobile Horizontal Silo suits construction sites, requiring no permanent structures. We supply a range from 16m³ to 76m³ for cement, limestone, fly ash, aggregates, etc.

- Filter erecting (patented) placed in position – the material falls within the same silo.
- Content weight management during the unloading process.

VERTICAL SILOS

Both vertical silos can be divided into two or more compartments to contain different mixtures. Their bolted construction allows for easier shipping and installation. The silo parts are mechanically fastened to a frame to avoid damage during transport, and to optimise container space.



CIRCULAR PANEL

Stores cement or granular-like materials with an extensive capacity range from 35-6000m³ of up to 50m in diameter.



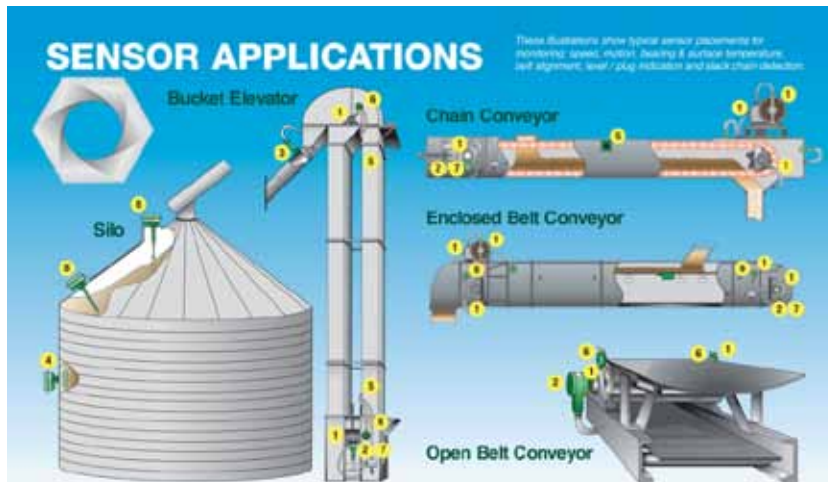
MODULAR

Stores flour and processed grains. Its square shape allows for 25% more capacity compared to another circular silo of a comparable size. Multiple silos of this type can be bolted together, increasing its overall footprint efficiency.

- 10-450m³ volume range.
- Customisable, from colour selection to logo application.

BRAIME COMPONENTS

Electronic Components & Monitoring Systems



Conveyor Industries are the official distributors in New Zealand for Braime Electronic Monitoring Equipment. The electronic division specialises in level controls, electric sensors, and safety control systems that prevent costly downtime, reducing the risk of explosions in hazardous areas. The monitoring components meet the necessary ATEX/IECEX/CSA/ GOST-R approvals. We provide after-sales technical service to help you overcome technical problems with your monitoring equipment.

BUCKET ELEVATORS: The most common hazards on bucket elevators are belt misalignment, belt slippage, blocked chutes, and bearing failures.

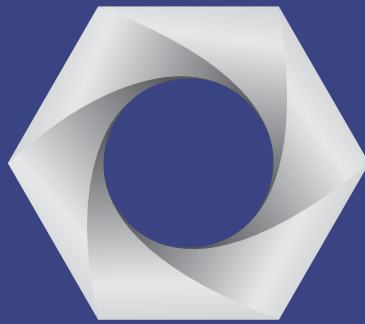
BELT CONVEYORS: Belt alignment, rip belt, belt slippage, and bearing failures.

CHAIN CONVEYORS: Monitor bearing temperature, speed motion, level/plug indication, and slack/broken chain detection.

SCREW CONVEYORS: Blockage detectors, bearing temperature monitors, and rotation speed monitors.

SILOS & STORAGE: Level indicators for point level indication of bulk granular solids or powders in bins and silos.

MONITORING: All types of plants and equipment can benefit from monitoring. Preventative maintenance reduces the risk of equipment failure and consequent downtime.



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